



Science fun after school is back this year! The Cool Science Club is a partnership of the schools, parents and community to provide **fun, hands-on, experiment-driven projects** in science, technology, engineering and mathematics (STEM) that offer kids an opportunity to dig deeper into their world and enrich the way they look at it. A Club Scientist will lead the five-session exploration of a single topic and will be assisted by a Young Scientist (from grades 8-12).

Grades K+1+2 NEW! LEGO Playland. Start here to learn the basics for building fabulous cities with LEGOs! Young scientists will use their imaginations and hands to create a wide variety of structures.

Grades K+1+2 Favorite! Kitchen Chemistry. Young scientists will learn how everyday materials interact with each other in a fun, scientific way!

Grades K+1+2 NEW! School Yard Naturalists. Go on a "safari" in the school yard and nearby natural spaces! Young scientists will see if turtles, ducks and frogs are still active by the river. We will search for any rabbits that also live by the banks of the Aberjona. Why are these places good homes for these animals? Join us to learn more and play games, go on scavenger hunts, and have fun outdoors!

Grades K+1+2 NEW! What's the Matter? Solids, liquids and gases can be a blast! Why is oobleck a solid *and* a liquid? How can a gas turn popcorn inside out? Young scientists will learn the science behind these mysteries and more!

Grades 3+4+5 Don't Miss! Explore Stars & Planets in the STARLAB. View the constellations, planets, and phases of the moon in our very own mock-up of the universe – the STARLAB planetarium! Young scientists will explore why stars twinkle, why the moon looks different each night, and much more.

Grades 3+4+5 NEW! Out of this World! Learn about the earth and space through interactive demonstrations with our own Mr. Wizard. Young scientists will explore a wide variety of topics -- including how light and optics work, why the earth rotates the way it does, and what causes those weird weather events.

Grades 3+4+5 Favorite! Blood 'n Guts. Learn about how the body works through fun activities. Experiments may include teeth casting, skin prints, chemical reactions of the liver and a stress test. Basic dissection will also be included.

Grades 4+5+6 Don't Miss! Launching Inventions. Terry Murray challenges young inventors to overcome gravity as they invent, build and launch new and different objects into space – suitable for veterans of the prior session or rookies.

Grades 4+5+6 Always Popular! LEGO Mindstorms™. Rookie and veteran builders alike will enjoy the science and technology of LEGO *Mindstorms*. Geared for all experience levels, this session will challenge young scientists as they build and program a robot with a team to accomplish specific tasks and fun tricks.

Grades 4+5+6 Favorite! How to Build a Better Mousetrap. The students will design and manufacture their own "mousetrap" utilizing any or all of the six simple machines. The scientists will also design and build their "test mice" using LEGO Robotics and other materials in the classroom.

- Five-week session held on **Wednesdays**, beginning on **Wed., October 20, 2010 (early release)**: 10/20 (early release), 10/27, 11/3, 11/10, 11/17
- 3:30 – 5:00 pm at the McCall Middle School. 12-14 children per Club grade grouping.
- \$95 fee for five-week session. Scholarships are available. Registration is on a first-come, first-served basis.
- For more info, contact Lanie Higgins, **COOL SCIENCE CLUB** Director and Middle School Science Coordinator, at 781-729-7157, Lhiggins@winchester.k12.ma.us

Student Name _____ Grade _____ School _____

Tell us your child's preferred grade-appropriate club **by using 1 and 2 to indicate first and second choice:**

- | | | |
|---|--|--|
| <input type="checkbox"/> Grades K+1+2 LEGO Playland | <input type="checkbox"/> Grades 3+4+5 STARLAB | <input type="checkbox"/> Grades 4+5+6 Launching Inventions |
| <input type="checkbox"/> Grades K+1+2 Kitchen Chemistry | <input type="checkbox"/> Grades 3+4+5 Out of This World! | <input type="checkbox"/> Grades 4+5+6 LEGO Mindstorms |
| <input type="checkbox"/> Grades K+1+2 School Yard Naturalists | <input type="checkbox"/> Grades 3+4+5 Blood 'n Guts | <input type="checkbox"/> Grades 4+5+6 Better Mousetrap |
| <input type="checkbox"/> Grades K+1+2 What's the Matter? | | |

☐ I have enclosed a check for \$95 payable to the Winchester Public Schools. I understand that registration is on a first-come, first-served basis. Please mail form/payment to Lanie Higgins, McCall Middle School, 458 Main St., Winchester, MA 01890

Parent Name _____ Signature _____

Address _____ Email _____ Phone _____

BELOW AND ON THE BACK OF THIS FORM, please list important information about your child's medical history and behavioral concerns, including allergies. Also, does your child require any special needs during the school year (i.e. an aide)? >>>

☐ no concerns or allergies or special needs